# WHATHAVE CANADIANS WRITTEN ABOUT RESTORATION?



### RESEARCH QUESTIONS

- Who is studying restoration?
- What ecosystem types are being studied?
- Where is restoration being studied?
- (When) Which themes has restoration focused on over time?
- Why is restoration taking place?
- How is restoration monitored and evaluated?



### METHOD

- Systematic map
  - 308 studies on outcomes of ER in Canada
- Bibliometric analysis
  - 3,013 studies on ER with at least 1 researcher with Canadian affiliation

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"restoration ecology" OR "eco* restoration" OR "environment* restoration" OR

"habitat restoration" OR "eco* remediation" OR "environment* remediation" OR

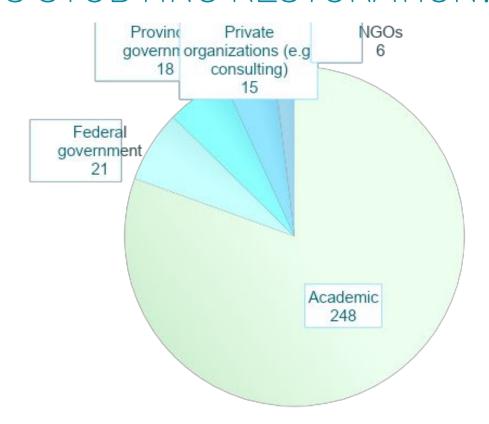
"habitat remediation" OR "eco* reclamation" OR "environment* reclamation" OR

"habitat reclamation" OR "eco* rehabilitation" OR "environment* rehabilitation" OR

"habitat rehabilitation" OR "rewild*" OR "re-wild*" OR "reforest*" OR "re-forest*"

+ location targeting elements
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### WHO IS STUDYING RESTORATION?

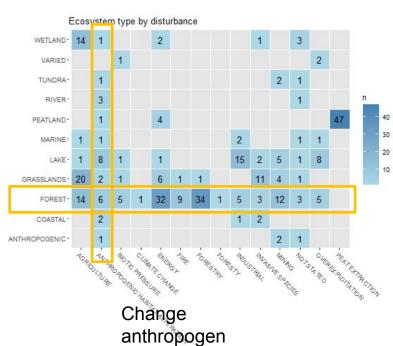


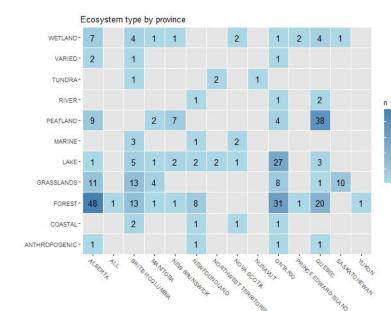


### WHAT ECOSYSTEM TYPES ARE BEING STUDIED?

Forest	123
Peatland	52
Grasslands	47
Lake	41
Wetland	21
Marine	6
Coastal	5
Anthropogenic	4
River	4
Tundra	4
Varied	3

# WHAT ECOSYSTEM TYPES ARE BEING



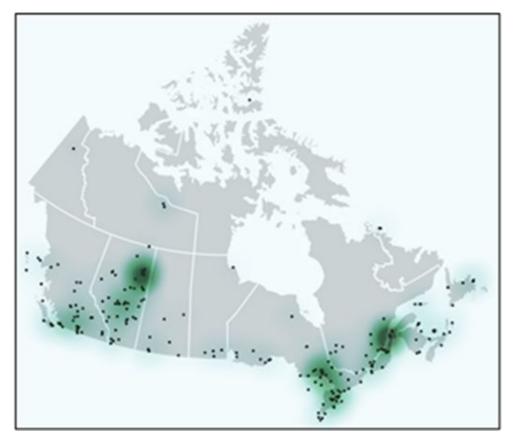


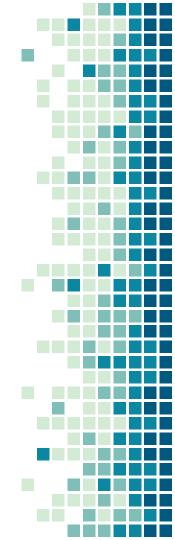
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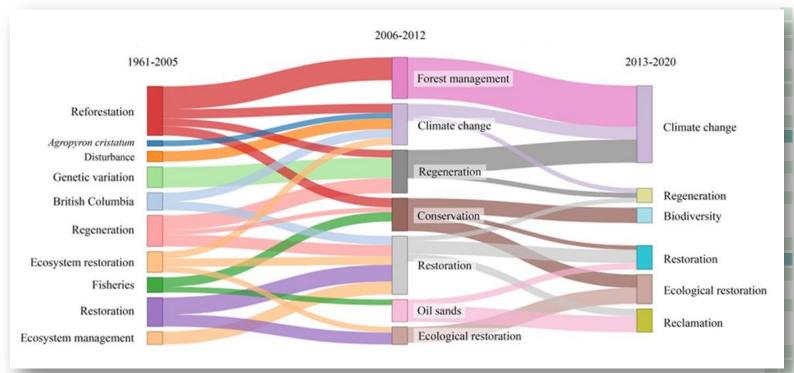
anthropogen ic habitat alteration to

### WHERE IS RESTORATION BEING STUDIED?

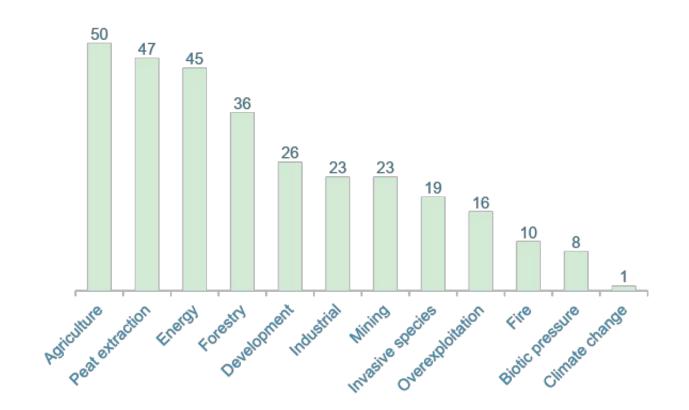


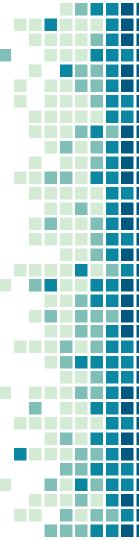


# (WHEN) WHICH THEMES HAS RESTORATION FOCUSED ON OVER TIME?



### WHY IS RESTORATION TAKING PLACE?





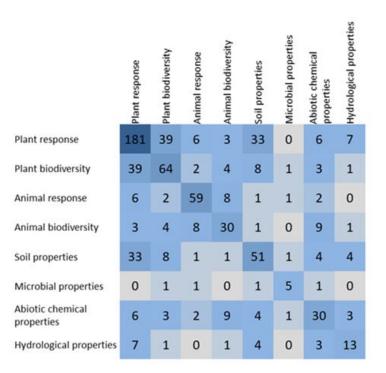
### WHY IS RESTORATION TAKING PLACE?

98 studies
Legislation

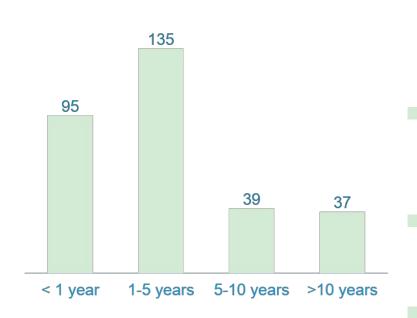
39	Forest
21	Peatland
19	Lake
7	Grasslands
5	Wetland
2	Anthropogenic
2	Tundra
2	Coastal
1	Marine
1	River



# HOW IS RESTORATION MONITORED AND FVAI LIATED?



#### Length of Monitoring



#### FUTURE DIRECTIONS

- Extensive outreach to professionals and collecting of grey literature is necessary to expand knowledge.
- Closer study of specific disturbance types.
- As the impacts of climate change increase, so too will its prevalence in restoration.
  - Dual focus: climate change as it affects restoration plans (e.g. species selection, assisted migration) and climate change as a source of degradation.